



IFWO

## RAW SEQUENCE LISTING

DATE: 08/09/2004

PATENT APPLICATION: US/10/804,515

TIME: 10:44:52

Input Set : A:\67130126.app

Output Set: N:\CRF4\08092004\J804515.raw

3 <110> APPLICANT: YAMAGUCHI, MASAYOSHI  
 5 <120> TITLE OF INVENTION: MODEL ANIMAL WITH OVEREXPRESSION OF REGUCALCIN  
 7 <130> FILE REFERENCE: 671302-2006  
 9 <140> CURRENT APPLICATION NUMBER: 10/804,515  
 10 <141> CURRENT FILING DATE: 2004-03-19  
 12 <150> PRIOR APPLICATION NUMBER: PCT/JP02/09611  
 13 <151> PRIOR FILING DATE: 2002-09-19  
 15 <150> PRIOR APPLICATION NUMBER: JP 2002-177666  
 16 <151> PRIOR FILING DATE: 2002-06-18  
 18 <150> PRIOR APPLICATION NUMBER: JP 2001-287698  
 19 <151> PRIOR FILING DATE: 2001-09-20  
 21 <160> NUMBER OF SEQ ID NOS: 4  
 23 <170> SOFTWARE: PatentIn Ver. 3.2  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 900  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Rattus norvegicus  
 30 <220> FEATURE:  
 31 <221> NAME/KEY: CDS  
 32 <222> LOCATION: (1)..(897)  
 34 <400> SEQUENCE: 1  
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 36 Met Ser Ser Ile Lys Ile Glu Cys Val Leu Arg Glu Asn Tyr Arg Cys  
 37 1 5 10 15  
 39 ggg gag tcc cct gtg tgg gag gag gca tca aag tgt ctg ctg ttt gta 96  
 40 Gly Glu Ser Pro Val Trp Glu Glu Ala Ser Lys Cys Leu Leu Phe Val  
 41 20 25 30  
 43 gac atc cct tca aag act gtc tgc cga tgg gat tcg atc agc aat cga 144  
 44 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg  
 45 35 40 45  
 47 gtg cag cga gtt ggt gta gat gcc cca gtc agt tca gtg gca ctt cga 192  
 48 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg  
 49 50 55 60  
 51 cag tca gga ggc tat gtt gcc acc att gga acc aag ttc tgt gct ttg 240  
 52 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu  
 53 65 70 75 80  
 55 aac tgg gaa gat caa tca gta ttt atc cta gcc atg gtg gat gaa gat 288  
 56 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp  
 57 85 90 95  
 59 aag aaa aac aat cga ttc aat gat ggg aag gtg gat cct gct ggg aga 336  
 60 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg  
 61 100 105 110  
 63 tac ttt gct ggt acc atg gct gag gaa acc gcc cca gct gtt ctg gag 384



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64 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
65          115          120          125
67 cgg cac caa ggg tcc ttg tac tcc ctt ttt cct gat cac agt gtg aag 432
68 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
69      130          135          140
71 aaa tac ttt aac caa gtg gat atc tcc aat ggt ttg gat tgg tcc ctg 480
72 Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
73 145          150          155          160
75 gac cat aaa atc ttc tac tac att gac agc ctg tcc tac act gtg gat 528
76 Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
77          165          170          175
79 gcc ttt gac tat gac ctg cca aca gga cag att tcc aac cgc agg act 576
80 Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
81          180          185          190
83 gtt tac aag atg gaa aaa gat gaa caa atc cca gat gga atg tgc att 624
84 Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
85          195          200          205
87 gat gtt gag ggg aag ctt tgg gtg gcc tgt tac aat gga gga aga gta 672
88 Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
89      210          215          220
91 att cgc cta gat cct gag aca ggg aaa aga ctg caa act gtg aag ttg 720
92 Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
93 225          230          235          240
95 cct gtt gat aaa aca act tca tgc tgc ttt gga ggg aag gat tac tct 768
96 Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
97          245          250          255
99 gaa atg tac gtg aca tgt gcc agg gat ggg atg agc gcc gaa ggt ctt 816
100 Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
101          260          265          270
103 ttg agg cag cct gat gct ggt aac att ttc aag ata aca ggt ctt ggg 864
104 Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
105          275          280          285
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109      290          295
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113 <211> LENGTH: 299
114 <212> TYPE: PRT
115 <213> ORGANISM: Rattus norvegicus
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122          20          25          30
124 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
125          35          40          45
127 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
128          50          55          60
130 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu

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131 65              70              75              80
133 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
134              85              90              95
136 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
137              100              105              110
139 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
140              115              120              125
142 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
143              130              135              140
145 Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
146 145              150              155              160
148 Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
149              165              170              175
151 Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
152              180              185              190
154 Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
155              195              200              205
157 Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
158              210              215              220
160 Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
161 225              230              235              240
163 Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
164              245              250              255
166 Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
167              260              265              270
169 Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
170              275              280              285
172 Val Lys Gly Ile Ala Pro Tyr Ser Tyr Ala Gly
173              290              295
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177 <211> LENGTH: 24
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183     primer huRC-1
185 <400> SEQUENCE: 3
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190 <211> LENGTH: 23
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
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195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196     primer huRC-2
198 <400> SEQUENCE: 4
199 ccctccaaag cagcatgaag ttg                                23

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**VERIFICATION SUMMARY**

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